

Amendments to the Claims:

The following listing of claims replaces all prior listings, and prior versions of the claims.

Listing of Claims:

Claims 1-10. (cancelled)

11. (Previously Presented) A method of providing non-contact data selection, comprising the steps of:

providing at least one data selection;

transmitting a plurality of signals in proximity to said plurality of data selections;

said transmitting step comprising transmitting a plurality of acoustic signals from at least three groupings, each of said at least three groupings comprising a signal emitter for emitting one of said plurality of acoustic signals of a unique frequency and a signal receiver for receiving one of said plurality of acoustic signals;

altering the path of at least one of said transmitted plurality of acoustic signals through interaction with a selection device;

detecting at least one of said altered plurality of acoustic signals;

determining a position of said selection device from said at least one of said altered plurality of acoustic signals; and

correlating said position of said selection device to said at least one data selection.

12. (currently amended) The method of claim 11 wherein said altering step comprises reflecting each of said plurality of acoustic signals off of said selection device for reception by one of said plurality of signal receivers.

13. (currently amended) The method of claim 11 wherein said determining step comprises measuring an amount of time between the emission of each of said plurality of acoustic signals and reception by said plurality of signal receivers, converting said amounts of time to a plurality of distances, and using said plurality of distances to locate said selection device.

14. (currently amended) The method of claim 11 wherein said providing said at least one data selection comprises providing said at least one data selection on an elevator.

15. (currently amended) A method of providing non-contact data selection, comprising the steps of:

providing at least one data selection;

providing a data selector in proximity to a data selection field;

detecting the proximity of said data selector to said data selection field with a proximity detector;

activating a non-contact selection system comprising a plurality of signal emitters and a plurality of signal receivers when said data selector is detected;

said activating step comprising sequentially transmitting a plurality of signals in proximity to said plurality of data selections;

said transmitting step comprising sequentially emitting a plurality of electromagnetic signals from ~~a plurality of said~~ signal emitters each aimed at a corresponding one of said signal receivers;

altering the path of at least one of said transmitted plurality of signals through interaction with ~~a selection device~~ said data selector;

said altering step comprising partially blocking said path of at least one of said plurality of electromagnetic signals;

detecting at least one of said altered plurality of signals;

said detecting step comprising measuring an intensity of each of said electromagnetic signals at each of said plurality of signal receivers;

determining a position of said selection device from said at least one of said altered plurality of signals; ~~and~~

correlating said position of said ~~selection device~~ data selector to said at least one data selection; and

deactivating said non-contact selection system when said proximity detector has detected that said data selector has left the vicinity of the data selection field.

16. (currently amended) The method of claim 15 wherein said providing said at least one data selection comprises providing said at least one data selection on an elevator.

17. (previously presented) A non-contact data selection system comprising:

at least one data selection;

means for transmitting a plurality of signals in proximity to said plurality of data selections;

said transmitting means comprising means for transmitting a plurality of acoustic signals from at least three groupings, each of said at least three groupings comprising a signal emitter for emitting one of said plurality of acoustic signals of a unique frequency and a signal receiver for receiving one of said plurality of acoustic signals;

means for altering the path of at least one of said transmitted plurality of acoustic signals through interaction with a selection device;

means for detecting at least one of said altered plurality of acoustic signals;

means for determining a position of said selection device from said at least one of said altered plurality of acoustic signals; and

means for correlating said position of said selection device to said at least one data selection.

18. (currently amended) The system of claim 17 wherein said at least one data selection corresponds to a floor accessible by an elevator.

19. (currently amended) The system of claim 17 wherein said altering means comprises means for reflecting each of said plurality of acoustic signals off of said selection device for reception by one of said plurality of signal receivers.

20. (currently amended) The system of claim 17 wherein said determining means comprises means for measuring an amount of time between the emission of each of said plurality of acoustic signals and reception by said plurality of signal receivers, means for converting said amounts of time to a plurality of distances, and means for using said plurality of distances to locate said selection device.

21. (currently amended) A non-contact data selection system comprising:

at least one data selection;

said at least one data selection corresponding to at least one floor accessible by an elevator;

means for transmitting a plurality of signals in proximity to said plurality of data selections;

said transmitting means comprising means for emitting a plurality of electromagnetic signals from a plurality of signal emitters each aimed at a corresponding signal receiver;

means for altering the path of at least one of said transmitted plurality of signals through interaction with a selection device;

said altering means comprising means for partially blocking said path of at least one of said plurality of electromagnetic signals;

means for detecting at least one of said altered plurality of signals;

said detecting means comprising means for measuring an intensity of each of said electromagnetic signals at each of said plurality of signal receivers;

means for determining a position of said selection device
from said at least one of said altered plurality of signals; and

means for correlating said position of said selection
device to said at least one data selection.